

**III. SISMICIDAD DE COSTA RICA
ENE-DIC 1989.**

**SEISMICITY OF COSTA RICA
JAN-DEC 1989.**

E. Listado de eventos locales, $M \geq 4.0$.

Local Event Listing, $M \geq 4.0$.

Nota: Los eventos listados corresponden a los sismos registrados entre $7^{\circ} 58.8'$ y $11^{\circ} 14.4'$ de Latitud Norte y entre $82^{\circ} 31.2'$ y $86^{\circ} 38.4'$ de Longitud Oeste, correspondientes a la caja de mapas de Costa Rica mostrados en éste catálogo.

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG	No	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
1	89- 1-12	1: 4:30.65	10:17.42	86:37.98	31.93	4.2	13	119.7	316	.23	2.8	1.5
2	89- 1-24	6:20:58.96	11:13.90	85:55.69	159.24	4.0	8	126.0	333	.45	9.2	8.8
3	89- 1-24	23:24:20.05	8:26.56	82:35.98	48.67	4.7	14	51.8	290	.34	3.2	4.2
4	89- 2-26	12:21:10.73	9:39.41	84:11.49	28.30	4.4	15	29.0	106	.36	1.2	1.6
5	89- 3- 2	7:18:16.10	9:39.23	84:11.95	19.35	4.3	10	28.8	109	.22	1.0	1.7
6	89- 3-15	2:20:42.28	11:11.37	85:32.87	165.44	4.4	12	48.0	308	.25	3.1	2.5
7	89- 3-22	4:52:56.35	11:14.10	85:53.02	153.18	4.5	11	74.0	322	.29	3.9	1.8
8	89- 3-24	15:31:28.26	10:47.28	86:34.17	11.20	4.8	12	130.1	321	.36	6.2	2.2
9	89- 3-24	15:53: 1.47	10:44.70	86:33.53	.22	4.0	8	129.1	321	.27	3.4	4.8
10	89- 4- 2	10:35:53.79	10:40.25	85:54.47	53.85	5.2	12	59.4	291	.25	2.3	1.9
11	89- 4-13	0:42:15.40	10:36.40	86:23.52	33.71	4.2	7	104.8	314	.27	19.0	2.7
12	89- 4-13	1:12:15.28	10:40.04	86:16.87	35.96	4.0	7	98.0	311	.11	11.2	1.2
13	89- 4-18	17: 2:20.87	10:35.93	85: 1.90	165.37	4.1	21	35.4	178	.30	2.8	2.0
14	89- 5- 1	8:54:29.70	9:30.07	84:51.34	33.92	4.3	13	35.1	190	.25	1.4	1.7
15	89- 5-14	15:17: 8.66	8:20.66	82:53.38	38.01	4.3	19	22.8	278	.21	1.7	.8
16	89- 5-16	2:57:15.99	11:10.79	85:37.95	156.41	4.3	16	51.4	310	.30	2.9	1.8
17	89- 5-17	19:13:39.02	11: 7.31	85:31.86	163.35	4.3	13	40.4	304	.21	2.5	2.4
18	89- 5-20	4:20:17.91	11:13.78	85:52.42	164.76	4.0	13	72.8	320	.33	4.2	3.5
19	89- 6- 9	20:54:46.68	11: 4.13	85:50.31	162.42	4.1	11	59.0	319	.26	3.7	2.2
20	89- 7- 7	17:31: 6.04	9:22.17	82:33.39	26.90	4.0	16	57.2	267	.33	2.1	2.3
21	89- 7-19	18:55:28.20	11: 7.89	85:47.77	135.24	4.6	21	59.2	316	.25	2.3	2.1
22	89- 7-20	5: 2:34.60	10:41.14	85:12.01	128.23	4.3	21	22.8	177	.22	1.8	1.3
23	89- 7-31	7:45:39.50	11:12.73	85:47.40	158.24	4.6	18	64.8	316	.32	3.0	1.6
24	89- 8- 7	12:12:13.67	11: 6.86	86:10.31	73.55	4.7	10	126.0	330	.16	16.2	7.3
25	89- 8- 9	10:44: 4.46	8: 3.68	82:43.06	30.38	4.3	11	57.6	335	.30	5.3	1.3
26	89- 8-26	5:12:30.71	10:55.22	86: .74	149.87	4.0	6	98.5	333	.07	3.0	3.5
27	89- 8-28	0: 2:43.24	11: 6.13	85:41.21	158.94	4.2	9	48.2	324	.28	6.7	3.6
28	89- 9-12	7:18:41.28	11: 9.13	85:42.12	157.18	4.8	18	53.5	313	.23	2.3	1.2
29	89- 9-23	14:35:27.49	8:38.65	82:41.41	53.79	4.2	10	29.1	309	.31	6.4	2.0
30	89- 9-28	1:38:26.36	8:32.31	82:44.52	55.23	4.2	7	39.8	299	.16	6.7	4.0
31	89-10- 1	8:42:51.90	8:18.42	82:51.48	33.60	4.7	10	27.9	284	.28	3.8	1.1
32	89-10- 2	15:23: 1.05	8: 9.97	82:49.52	33.72	4.2	15	81.5	293	.24	1.9	.7
33	89-10-14	6:44:38.73	9:32.17	84: 7.64	29.80	4.2	7	14.8	130	.08	.7	1.6
34	89-10-14	15:11:59.09	8:54.86	83:56.24	10.88	4.6	7	58.4	310	.09	1.2	4.3
35	89-10-30	15:53:23.71	10:43.99	84:59.35	148.43	4.2	22	43.0	206	.34	2.8	3.1
36	89-11- 3	0:59:21.33	8:32.71	82:52.97	49.96	4.5	15	23.6	223	.34	2.2	2.7
37	89-11-26	0:14: 3.97	9:24.46	84:34.41	34.73	4.1	17	48.4	194	.29	1.6	1.2
38	89-11-28	18:25: 3.87	9:45.49	86:29.85	32.48	4.2	14	113.5	308	.30	4.2	2.0
39	89-11-30	1:12:28.47	10:42.05	86:31.65	27.10	4.1	9	122.7	320	.24	19.1	3.9
40	89-11-30	1:27: 2.36	10:42.63	86:17.84	21.25	4.2	11	100.8	314	.28	10.9	2.1
41	89-12- 3	17: 7:40.70	9:25.59	84: 9.19	51.89	4.1	17	3.5	149	.28	1.1	1.8
42	89-12- 7	21: 0: 7.73	10:32.76	84:57.47	121.55	4.0	22	28.4	176	.20	1.2	1.4
43	89-12-13	9:24:36.15	11:11.49	85:37.10	146.62	4.4	19	51.7	309	.21	2.2	1.5
44	89-12-19	17:26: 4.91	8:21.29	83: 1.30	37.18	4.5	12	11.2	279	.23	4.3	1.3
45	89-12-28	22:52:45.49	10:41.02	86:20.90	1.42	4.2	7	105.1	315	.23	3.1	5.1

**III. SISMICIDAD DE COSTA RICA
ENE.-DIC 1989.**

**SEISMICITY OF COSTA RICA
JAN.-DEC 1989.**

F. Listado de eventos regionales.

Regional Events Listing.

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG	No	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
1	89- 1- 5	16:28:25.89	7:24.93	83: .68	22.85	3.6	11	114.5	321	.15	3.1	1.7
2	89- 1- 6	20:48:48.13	7:22.77	82:54.96	24.92	4.3	10	119.6	337	.28	6.8	1.9
3	89- 1- 9	18: 2:24.38	6:40.35	82:55.94	36.12	4.6	21	197.6	328	.25	11.8	16.0
4	89- 1-11	0:14:41.27	11:15.76	85:59.82	139.27	4.2	14	85.5	324	.19	2.0	1.5
5	89- 1-11	12:42:40.25	11:12.91	87:39.11	35.53	5.2	17	252.4	339	.26	12.2	16.7
6	89- 1-11	22:28: 9.14	11:50.81	87:31.93	13.76	5.0	16	262.1	344	.28	10.3	13.2
7	89- 1-12	17:13: 2.52	7:13.14	82:50.86	9.53	4.4	14	138.4	328	.31	5.0	1.6
8	89- 1-15	8:48:57.16	7:57.76	82:56.86	21.32	3.3	14	55.2	310	.25	1.6	1.7
9	89- 1-18	6:20:38.01	11:15.72	85:28.13	20.62	3.5	12	53.3	306	.20	1.6	1.7
10	89- 1-20	19:22:56.09	7: 9.11	82:28.44	23.91	4.3	13	158.0	324	.28	6.0	1.9
11	89- 1-21	5:30: 6.11	7:22.05	82:17.65	27.89	4.0	11	147.2	335	.19	3.7	1.5
12	89- 1-21	8:25:42.21	7:53.44	82:26.90	43.32	4.2	10	92.1	329	.25	12.3	18.1
13	89- 1-27	0:24:17.83	6:44.76	82:17.49	45.52	4.3	8	207.4	338	.37	8.5	9.8
14	89- 1-28	15: 9:26.53	11:20.65	85:48.03	154.62	4.1	8	134.4	331	.23	5.0	3.5
15	89- 1-29	19:14:13.96	11: 5.06	86:55.25	.07	4.0	14	171.4	333	.30	3.3	3.5
16	89- 1-30	0:52:23.07	10:44.02	87:25.06	67.25	4.6	11	214.0	334	.19	4.0	17.7
17	89- 2- 2	3:24:36.73	11:15.67	86: 5.62	92.87	3.3	8	93.9	330	.23	3.0	3.4
18	89- 2- 2	16:41: 3.27	8:31.57	82:19.39	8.16	3.0	10	63.2	311	.31	2.6	4.4
19	89- 2- 2	16:44: 6.78	8:28.54	82:22.56	35.50	3.0	7	63.0	310	.22	2.0	1.4
20	89- 2- 4	18:43: 8.60	4:44.52	82:50.49	34.53	5.0	16	412.4	335	.34	17.7	24.4
21	89- 2- 4	19:24: 5.32	5:47.72	82:35.57	34.34	6.0	15	299.2	331	.43	17.6	24.2
22	89- 2- 5	4:42:52.00	7:56.58	83: .51	28.11	3.9	12	56.1	330	.30	6.5	2.7
23	89- 2- 5	18:26:12.74	8:59.24	82:21.94	36.35	3.1	10	44.4	290	.35	2.5	1.5
24	89- 2- 5	23:25:23.02	5:36.48	82:42.16	34.49	4.7	20	365.7	329	.34	16.7	23.1
25	89- 2- 8	6:37:49.23	7:49.48	82:47.30	34.40	3.4	10	75.6	332	.33	5.9	1.3
26	89- 2-18	13:42:16.79	11:38.01	86:46.29	20.72	4.3	16	178.3	340	.34	4.7	3.2
27	89- 2-22	2: 9:31.51	7:50.92	82:39.18	37.14	4.3	17	80.6	311	.37	3.1	1.3
28	89- 2-28	16:40: 8.49	8:32.23	82:20.98	25.76	2.9	8	60.2	311	.21	2.4	1.3
29	89- 3- 2	3:34:44.12	11:23.75	85: 7.54	103.60	3.5	8	72.7	313	.42	4.4	5.0
30	89- 3- 2	20:16: 4.80	6:35.97	82:25.15	35.12	3.7	5	217.3	344	.49	23.3	29.4
31	89- 3-10	5:33:41.51	11:48.89	87:13.55	34.67	4.8	12	231.1	344	.21	7.0	10.6
32	89- 3-12	16:37:57.60	7:51.60	83: 8.66	34.29	3.5	9	65.4	307	.18	9.7	1.1
33	89- 3-16	1:10:28.47	11:49.61	87:42.62	19.60	4.2	7	299.5	350	.20	10.1	11.6
34	89- 3-19	22:16:46.37	12: 8.57	86:36.23	43.59	4.6	14	200.9	337	.25	3.7	3.1
35	89- 3-24	7:10: .72	11:33.34	86:17.00	20.37	3.7	6	130.2	333	.17	4.8	3.2
36	89- 3-27	13:43:49.04	6:13.34	82:28.21	34.34	4.0	7	255.7	345	.26	14.2	17.3
37	89- 4- 1	4:45:40.73	9: 7.09	82:29.30	24.98	3.7	16	38.7	279	.32	1.6	1.7
38	89- 4- 1	4:55:13.71	9: .96	82:23.06	34.47	2.8	8	43.3	298	.25	2.5	1.5
39	89- 4- 1	6:50:58.88	9: 6.58	82:26.19	16.89	2.7	8	42.7	295	.12	1.2	1.2
40	89- 4- 4	23:22:19.51	11:23.74	85:49.34	153.82	4.8	14	82.8	320	.35	2.9	3.9
41	89- 4-15	7:46:38.63	12: 8.67	85: 2.46	35.14	3.3	6	206.4	333	.06	7.4	11.1
42	89- 4-16	10:30:49.62	11:30.93	86: 3.20	116.62	3.9	7	109.1	338	.21	5.4	3.3
43	89- 4-23	22: 8:38.97	10:29.46	87: 1.48	34.79	3.7	5	165.7	327	.30	15.5	22.8
44	89- 4-25	6:11:28.29	10:47.79	86:49.89	.24	5.1	21	157.1	325	.25	2.5	1.7
45	89- 5- 6	8:21:16.46	11:58.56	86:30.20	58.69	4.9	24	179.8	336	.25	6.6	23.4
46	89- 5-10	15:52:55.76	11:10.25	87:15.25	44.25	4.5	8	208.9	337	.11	2.7	4.4
47	89- 5-12	22:25:32.50	12: .56	87:59.53	35.18	5.3	15	314.9	346	.29	16.1	22.1
48	89- 5-14	12:47:10.92	11:15.15	85:35.69	162.18	4.4	12	56.5	316	.24	3.4	2.1
49	89- 5-21	0:45:49.16	6:57.17	82:37.56	9.32	3.9	11	172.9	332	.31	4.9	3.4
50	89- 5-21	4:43:24.00	7:22.96	82:20.63	34.43	3.3	6	142.7	334	.27	13.7	21.2
51	89- 5-21	11:41:31.30	9: .68	82:29.29	41.63	2.9	8	32.4	302	.23	3.1	1.4
52	89- 5-24	0:51:21.07	7:53.89	82:25.82	35.89	3.9	11	93.1	318	.33	3.8	1.5
53	89- 5-27	11:54:39.06	7:50.99	82:55.29	31.58	4.4	19	68.1	303	.22	2.0	.7
54	89- 5-30	1:16:20.62	11:23.13	86:20.68	48.80	4.1	14	124.3	333	.35	3.7	5.7
55	89- 5-30	8:45: 3.92	12: 8.01	86:54.84	53.94	4.6	20	223.9	342	.33	8.2	29.1
56	89- 6- 1	13:16:39.67	11:50.31	87:27.69	.13	4.7	25	254.9	345	.38	15.6	12.6
57	89- 6- 2	9:39:16.80	11:36.81	86:20.85	90.93	4.4	11	211.4	337	.26	4.3	11.4
58	89- 6- 2	14:54:31.32	11:37.32	85:32.78	35.60	3.1	8	94.2	329	.37	4.1	3.4
59	89- 6- 9	6: 1:30.42	8:45.69	82:24.71	27.32	2.7	9	41.0	294	.12	1.6	.8
60	89- 6-11	8: 5: .74	7:50.17	82:28.63	38.47	3.6	11	94.0	317	.26	2.9	1.3

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG	No	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
61	89- 6-12	18:41: 9.00	5:31.10	82:49.24	33.72	5.0	28	326.5	329	.30	14.8	20.2
62	89- 6-15	19:32:49.77	7: 6.32	82:53.58	4.69	4.9	14	150.1	327	.22	4.1	2.0
63	89- 6-16	14:10:30.79	11:20.43	85:39.78	161.74	4.0	9	68.6	328	.13	2.5	2.7
64	89- 6-22	8:13:11.25	7:12.26	82:56.28	7.03	3.9	10	138.6	324	.30	18.4	16.4
65	89- 6-25	5:17: .14	10: 9.16	87: 5.42	38.88	4.8	9	223.2	340	.27	11.6	15.4
66	89- 6-28	0:37: 5.36	8:44.13	82:24.91	18.56	4.1	12	41.9	295	.34	2.5	1.3
67	89- 6-28	8:21: 1.19	8:42.51	82:24.79	25.47	3.5	14	43.4	297	.38	2.3	1.5
68	89- 6-28	10: 1:21.14	11:23.51	86:13.38	89.51	3.8	9	113.8	334	.23	2.9	4.8
69	89- 6-28	12:31:54.58	9: .99	82:26.42	38.85	3.1	11	37.5	284	.50	4.7	2.8
70	89- 7- 9	0:13:28.27	12: 5.84	87: 2.69	51.03	4.2	10	232.2	346	.22	5.8	4.6
71	89- 7-15	18:29:35.24	11:48.80	86:15.45	29.41	3.5	10	148.6	341	.15	3.5	1.4
72	89- 7-22	22:35:23.63	11:16.91	85:36.89	164.21	3.8	8	60.4	326	.24	3.9	3.8
73	89- 7-25	6:30:48.73	12:13.29	86:51.11	51.92	4.4	19	225.7	339	.38	4.3	6.1
74	89- 7-28	16:18:36.70	11:35.17	87:14.68	10.05	3.8	11	221.7	343	.15	7.7	10.0
75	89- 7-28	22:14:23.14	11:29.75	85:48.25	167.57	3.8	8	91.1	336	.22	4.9	2.4
76	89- 8- 1	22:38:49.83	11:41.29	87: 9.31	48.55	3.8	9	217.7	343	.25	4.9	3.8
77	89- 8- 2	3:35:33.76	11:15.62	86:16.47	74.61	3.3	7	110.7	332	.06	2.9	4.7
78	89- 8- 3	7:43:25.49	11:31.01	86: 4.67	169.30	4.4	10	111.0	338	.27	4.8	2.4
79	89- 8- 4	22:45: 6.86	12:26.70	87:10.34	50.52	4.4	11	267.9	345	.33	8.1	28.8
80	89- 8- 5	15:25:30.29	11:13.80	87:35.37	3.82	4.5	14	246.0	339	.44	21.2	17.4
81	89- 8- 7	5:30: .49	13:20.73	90:19.08	34.17	6.3	14	500.0	353	.20	12.2	16.8
82	89- 8-11	5:24: 8.06	7:13.97	82:53.43	38.97	3.6	11	136.1	323	.32	12.0	18.9
83	89- 8-13	23:36:24.67	11:31.42	86:30.65	115.46	4.9	17	147.9	336	.20	2.6	3.1
84	89- 8-14	4: 9: 4.14	11:33.09	86: 8.72	124.37	4.4	13	118.9	328	.22	3.0	2.8
85	89- 8-14	13:25: 4.53	11:14.25	86:39.00	125.67	3.6	7	147.3	334	.06	3.0	4.1
86	89- 8-14	23:15:21.73	11:24.28	85:56.39	130.94	4.9	24	144.7	323	.25	3.1	3.4
87	89- 8-15	7: 2:58.63	11:36.13	86:51.37	146.31	4.6	17	214.4	341	.24	5.1	6.1
88	89- 8-20	22: 5:50.45	5: 7.20	82:43.74	32.73	4.8	14	371.5	342	.37	19.3	26.5
89	89- 8-21	2:56: 2.67	6:53.79	83: 2.57	6.30	3.3	9	172.1	328	.30	8.3	4.4
90	89- 8-21	21:54:44.68	11:16.65	87: 2.76	.02	4.2	16	189.7	337	.21	3.2	2.8
91	89- 8-25	5:49:39.66	6:48.54	84: 5.98	7.92	3.4	12	213.3	315	.18	9.2	8.0
92	89- 9- 3	12: 7:41.81	12:16.09	87:54.37	35.84	4.7	13	320.0	347	.20	12.3	17.0
93	89- 9- 5	5:25: 5.57	5:21.55	82:50.28	33.59	4.7	16	412.1	340	.26	14.5	19.9
94	89- 9- 5	17:43:45.73	11:40.74	86: 9.83	165.84	4.6	10	130.6	339	.41	6.5	5.3
95	89- 9- 8	23:23: 1.86	7: 4.54	82:49.92	24.06	3.8	14	154.4	317	.32	3.3	1.8
96	89- 9-14	2:46:35.20	11:18.27	85:37.39	177.72	4.3	8	127.3	317	.26	6.1	3.9
97	89- 9-15	20:41:43.80	6: 7.47	82:42.30	34.42	4.9	16	261.1	328	.35	16.9	22.8
98	89- 9-18	10:44:13.39	10:23.19	86:57.12	70.43	3.6	6	155.7	325	.10	2.1	11.5
99	89- 9-24	9:53:34.44	5:34.17	82:43.96	35.14	4.5	5	369.9	331	.21	13.1	16.9
100	89- 9-24	15: 8:26.67	8:44.92	82:27.10	65.57	2.9	5	37.6	348	.17	10.1	1.7
101	89- 9-30	0:16:48.65	11:16.22	85:44.65	163.80	5.4	11	66.6	316	.10	1.7	2.3
102	89- 9-30	19:25:14.12	9:21.07	81: 5.85	90.77	4.3	8	189.2	323	.51	12.8	30.4
103	89-10- 3	13:22: 1.83	11:29.37	82:49.97	57.17	3.3	12	214.8	296	.33	6.7	25.4
104	89-10- 4	20:43:26.73	11:49.88	86:21.20	39.31	4.3	9	156.9	335	.29	12.0	18.5
105	89-10- 7	19:59:32.66	11:17.22	86: 2.73	89.03	4.5	12	91.3	326	.24	2.9	2.2
106	89-10-10	9:51:57.67	7:45.74	82:35.00	26.75	3.3	12	92.8	325	.27	2.3	1.3
107	89-10-15	2:59:44.23	11:19.72	85:35.75	171.43	4.0	8	64.3	331	.31	4.9	2.7
108	89-10-19	7:26: 6.85	6:59.89	82:59.55	42.74	4.3	8	160.9	326	.32	20.3	18.4
109	89-10-21	2:25:39.08	12: 6.62	86:55.35	57.81	4.0	10	222.9	346	.31	7.8	27.8
110	89-10-21	4:40: 4.89	11:42.37	87:32.84	61.62	5.1	15	257.1	344	.40	8.9	35.7
111	89-10-22	14:55:55.50	11:24.49	86: 7.68	33.13	3.8	17	106.7	328	.17	1.9	1.0
112	89-10-23	20:55:12.05	11:35.74	86:25.36	44.20	5.2	15	144.7	334	.24	3.1	3.9
113	89-10-24	8:56: 3.85	12:21.37	86:41.88	47.32	4.8	18	225.4	339	.27	4.1	5.5
114	89-10-27	6:12:40.23	8:23.45	82:29.63	36.28	3.0	6	63.3	303	.28	4.8	1.7
115	89-10-31	16:12:25.69	6:51.64	82:53.21	35.99	3.9	13	177.2	320	.30	13.1	18.0
116	89-10-31	16:33:37.89	6:44.54	82:46.11	34.12	4.0	15	192.1	322	.39	16.3	22.5
117	89-11- 2	14:22:23.78	7:56.92	82:48.67	22.91	3.0	4	62.0	330	.19	4.5	16.4
118	89-11-10	15:22: 2.06	7:54.90	82:50.38	36.84	3.4	11	64.1	316	.33	2.6	1.1
119	89-11-13	10:59:56.23	11:51.72	86:38.71	20.94	4.2	10	182.2	339	.31	6.6	5.4
120	89-11-19	11: 5:58.30	11:23.64	85:23.39	156.99	3.9	8	131.6	323	.41	8.6	8.3

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG	No	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
121	89-11-23	11: 2:45.22	11:19.88	85:50.56	171.96	4.1	8	133.9	331	.34	7.0	6.2
122	89-12- 3	1:43: 7.45	7:43.07	82:33.89	36.97	3.3	8	98.1	327	.18	3.2	1.1
123	89-12- 5	15: 5:17.52	7:50.97	83:11.05	36.97	3.8	12	67.3	308	.22	2.1	1.0
124	89-12- 6	3:18:32.62	8:36.53	81:37.37	17.84	3.8	11	128.9	322	.18	3.0	2.6
125	89-12- 9	5:47:19.91	9:13.98	82:26.40	13.66	2.5	7	51.3	295	.25	2.3	6.5
126	89-12-13	6:22:41.41	6:31.14	82:41.57	32.91	4.7	18	218.1	333	.36	13.4	18.6
127	89-12-15	9: 9: 9.01	8: 6.27	82:21.89	8.50	2.8	6	86.4	322	.17	2.0	4.5
128	89-12-26	10:19:34.93	7:53.17	82:51.14	33.36	3.5	7	66.5	341	.10	4.5	.9
129	89-12-28	23:31:43.82	11: 8.49	86:51.88	46.04	4.2	7	166.8	334	.21	3.8	20.8
130	89-12-29	1:32:36.25	6:45.34	83: 2.12	6.91	4.0	9	187.8	329	.24	5.6	4.4
131	89-12-29	5:53: .71	7:18.85	82:59.02	74.62	3.6	5	126.0	324	.36	29.6	19.1
132	89-12-30	7:17:32.65	11:18.00	86: 6.33	38.59	3.4	4	97.4	337	.00	5.4	1.8
133	89-12-30	10:42:15.96	11: 5.69	86:39.51	20.24	3.6	5	143.7	331	.08	3.3	2.8

**III. SISMICIDAD DE COSTA RICA
ENE-DIC 1989.**

**SEISMICITY OF COSTA RICA
JAN-DEC 1989.**

**G. Listado de eventos localizados,
 $M \geq 4.0$ y sus respectivas fases.**

**Located Events Listing, $M \geq 4.0$,
and Corresponding Phases.**

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/ 6 20:48: 48.13 7.379 82.916 24.9 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPUO	20:49: 27.4	S 2	58.2
IRZ2	EPUO	34.1		
HDC2	EP 1	34.9		
PTCR	EPDO	34.2		
QPS	EPDO	27.7		
PBC	IPDO	8.3	S 2	23.7
TIG	EPDO	18.1	S 2	42.2

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/ 9 18: 2: 24.38 6.673 82.932 36.1 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	18: 2: 72.2	S 2	110.3
IRZ2	EP 1	78.6	S 2	119.9
HDC2	EP 1	79.7	S 2	122.4
PTCR	EP 1	77.7	S 3	120.3
QPS	EP 1	71.1	S 2	108.1
EPA	EP 1	81.3	S 2	125.8
CAO	EP 1	81.5	S 3	126.0
JUD	EP 1	90.3	S 3	141.4
PBC	EP 1	53.2	S 2	77.9
JTS	EP 1	87.5	S 3	136.5
TIG	EP 1	63.4	S 2	93.8

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/11 0:14: 41.27 11.263 85.997 139.3 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM		0:15:	S 3	62.3
IRZ2			S 3	54.3
HDC2			S 3	50.1
PTCR	EP 1	18.1	S 3	47.1
QPS			S 3	56.8
EPA	EP 1	15.3	S 2	40.9
CAO	EPDO	13.6	S 1	39.3
JUD	IPUO	7.3	S 1	27.7
RIN3	EP 1	3.6	S 2	20.8
PBC	EP 1	42.9		
JTS	EP 1	9.5	S 2	31.4
TIG	EP 1	35.6		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/11 12:42: 40.25 11.215 87.652 35.5 5.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	12:43: 44.1	S 3	94.1
IRZ2	EP 1	39.9	S 3	87.6
POA2	EP 1	35.1		
HDC2	EP 1	37.1		
QPS	EP 1	39.7	S 3	86.5
EPA	EP 1	30.6	S 2	70.5
CAO	EP 1	24.4	S 2	62.4
JUD	EP 1	15.5		
RIN3	EP 1	17.6	S 2	46.5
PBC	EP 1	59.3		
JTS	EP 1	23.1	S 2	60.1
TIG	EP 1	52.3		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/11 22:28: 9.14 11.847 87.532 13.8 5.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	22:28: 77.3		
IRZ2	P 1	73.1		
HDC2	IPUO	69.5		
PTCR	EP-1	67.9		
QPS	EPDO	74.4		
EPA	EP-1	64.3		
CAO	EPDO	61.3	S 1	101.7
JUD	EPUO	52.4	S 2	86.7
RIN3	EP 1	49.3	S 2	81.3
PBC	EPDO	93.7		
JTS	EP 1	58.0	S 2	96.7
TIG	EP+1	86.6		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/12 1: 4: 30.65 10.290 86.633 31.9 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	P 2	1: 4: 78.4		
IRZ2	EPD1	75.1		
POA2	EPD1	70.0		
HDC2	IPD1	71.8		
PTCR	EP+1	67.7		
QPS	EP 2	73.5		
EPA	EPUO	64.8		
CAO	EPUO	58.7	S 1	80.8
JUD	IPUO	50.8		
RIN3	IPUO	54.9	S 2	74.0
JTS	IPUO	59.0		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/12 17:13: 2.52 7.219 82.848 9.5 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	17:13: 45.7	S 1	79.7
IRZ2	IPUO	52.0		
HDC2	IPUO	54.1		
PTCR	EPUO	52.3	S 1	91.8
QPS	IPUO	45.4		
EPA	EP-1	56.5		
CAO	EPUO	57.0		
JUD	EPUO	66.4		
PBC	IPUO	26.0	S 1	44.3
TIG	IPUO	36.4	S 1	63.4

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 1/20 19:22: 56.09 7.152 82.474 23.9 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPUO	19:23: 41.3		
IRZ2	EPUO	47.5		
HDC2	EPUO	49.0		
PTCR	IPUO	48.1		
QPS	IPUO	41.3		
EPA	EPUO	52.0		
CAO	EPUO	53.1		
JUD	EP 1	62.5		
PBC	IPUO	22.0		
JTS	EPDO	58.2		
CTCR	IPUO	27.0	S 1	51.7
TIG	IPUO	31.7		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 1/21 8:25: 42.21 7.891 82.448 43.3 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPUO	8:25: 77.3		
IR22	EP 1	82.9		
HDC2	IPDO	85.4		
PTCR	EPUO	85.4		
QPS	EPDO	78.2		
EPA	EPDO	88.9		
PBC	IPUO	58.3	S 2	71.0
CTCR	IPUO	61.5	S 2	77.0
TIG	EPUO	67.2		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 1/30 0:52: 23.07 10.734 87.418 67.3 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IR22	EPD1	0:52: 77.2		
HDC2	EPU1	74.3		
PTCR	EP+1	70.7		
EPA	EP 1	67.3		
CAO	EPUO	62.2		
JUD	EPUO	54.7	S 1	79.4
RIN3	EP 1	55.5	S 2	81.3
JTS	EPUO	62.0	S 2	92.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 1/24 6:20: 58.96 11.232 85.928 159.2 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP 1	6:21: 33.2	S 2	59.5
CAO	EP 1	31.7	S 3	57.9
JUD	EP 1	26.7	S 3	47.9
JTS	EP 1	27.5	S 3	50.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 2/ 4 18:43: 8.60 4.742 82.841 34.5 5.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	18:44: 22.7	S 2	80.4
IR22	EP 1	28.4	S 2	91.1
HDC2	IPDO	30.2	S 2	93.0
PTCR	EP 1	27.1	S 2	89.4
QPS	EPDO	20.7	S 2	77.5
CAO	IPUO	29.3		
PBC	EPDO	4.6	S 2	50.5
CTCR	IPUO	12.1	S 2	61.2
TIG	IPDO	14.3	S 2	65.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 1/24 23:24: 20.05 8.443 82.600 48.7 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	23:24: 47.5		
IR22	IPUO	53.7		
POA2	IP 1	58.9		
HDC2	IPUO	56.0	S 2	83.5
PTCR	IPUO	56.4		
QPS	IPUO	49.4	S 2	72.6
EPA	EP+1	60.3		
CAO	EPUO	63.9		
PBC	IPDO	31.7		
CTCR	IP 1	31.5		
TIG	IPUO	37.3	S 2	51.5

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 2/ 4 19:24: 5.32 5.795 82.593 34.3 6.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	19:24: 66.4	S 2	113.7
IR22	IPUO	72.4		
HDC2	IPUO	74.0	S 2	127.0
PTCR	IPUO	71.7		
QPS	EPUO	65.2	S 2	111.9
EPA	IPUO	75.7		
CAO	IPUO	74.9		
PBC	IPUO	48.0		
IDC	IPUO	54.8	S 2	93.9
CTCR	IPUO	54.3		
TIG	EPUO	57.8		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 1/27 0:24: 17.83 6.746 82.291 45.5 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	0:24: 67.5		
QPS	IPUO	67.3		
PBC	IPUO	47.9	S 2	73.2
CTCR	IPUO	53.5	S 2	81.3
TIG	IPUO	58.1	S 2	88.6

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 2/ 5 23:25: 23.02 5.608 82.703 34.5 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	23:26: 25.8	S 2	74.9
IR22	EP 1	32.2	S 2	85.2
HDC2	EP 1	33.4		
PTCR	EP 1	31.9	S 2	84.8
QPS	IPDO	24.4	S 1	72.8
EPA	EP+1	34.9	S 2	91.0
CAO	IPDO	34.1	S 2	90.3
JUD	EP+1	43.2	S 2	104.8
IDC	EPDO	14.3	S 2	55.2
CTCR	EP 1	14.5		
TIG	EPDO	17.4	S 2	59.8

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 1/28 15: 9: 26.53 11.344 85.800 154.6 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
QPS	EPUO	15: 9: 69.3	S 2	102.2
CAO	EPDO	59.6	S 2	85.8
JUD	EPDO	54.2	S 1	75.8
JTS	EPUO	55.2	S 1	77.6

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 1/29 19:14: 13.96 11.084 86.921 .1 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IR22	EPDO	19:14: 68.4		
HDC2	EP 2	64.7		
PTCR	EPDO	62.3	S 2	100.0
QPS	EP 2	68.0		
EPA	EP+1	59.0		
CAO	EPDO	54.2	S 2	86.2
JUD	EPDO	45.4	S 1	69.3
RIN3	EPUO	43.2	S 2	66.9
JTS	EPDO	52.0	S 2	81.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 2/18 13:42: 16.79 11.634 86.771 20.7 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP+1	13:42: 74.3		
IRZ2	EP 1	69.4		
HDC2	EP 1	66.3	S 2	105.5
PTCR	EP 1	65.4		
QPS	EP 1	71.4		
EPA	IPDO	61.7	S 2	96.1
CAO	EP+1	58.5	S 2	91.3
JUD	EPDO	50.1	S 2	76.2
RIN3	EP 1	45.6	S 2	68.4
JTS	EP 1	54.1	S 2	83.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 3/10 5:33: 41.51 11.815 87.226 34.7 4.8

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
HDC2	EPDO	5:34: 36.2		
QPS	EP 1	41.2		
EPA	EP-1	30.8		
CAO	EPUO	28.3	S 1	65.2
JUD	IPDO	19.6	S 1	49.5
RIN3	EPUO	16.3		
PBC	EPDO	60.5		
IDC	EPUO	49.9		
JTS	EP 1	24.9	S 3	58.4

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 2/22 2: 9: 31.51 7.849 82.653 37.1 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	2: 9: 66.2	S 2	92.1
IRZ2	IPUO	72.1	S 2	103.5
POA2	IP 1	77.0		
HDC2	IPUO	74.3	S 2	106.5
PTCR	EPUO	73.5	S 2	106.1
QPS	IPUO	66.3	S 1	93.8
PBC	IPUO	46.4		
IDC	EPUO	57.1		
CTCR	IPUO	51.0	S 2	67.6
TIG	IPUO	55.9	S 2	74.4

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 3/15 2:20: 42.28 11.189 85.548 165.4 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IRZ2	EPDO	2:21: 19.5		
HDC2	EP 1	17.3		
EPA	EPUO	14.1	S 3	38.3
CAO	IPDO	13.6	S 1	38.6
JUD	IPUO	9.3	S 2	30.3
RIN3	EP 1	5.5	S 3	23.5
JTS	EPUO	9.3	S 1	30.6

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 2/26 12:21: 10.73 9.657 84.191 28.3 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	12:21: 20.3		
IRZ2	IPDO	20.4		
POA2	IPDO	22.2		
HDC2	IPDO	19.5		
QPS	IPDO	17.3		
EPA	IPUO	20.7		
CAO	IPUO	28.1		
JUD	IPUO	36.3		
RIN3	IPUO	39.7		
PBC	IPUO	39.4		
VACR	IPUO	29.0		
IDC	IPDO	29.7		
JTS	IPUO	29.2		
CTCR	IPUO	39.4		
TIG	IPUO	31.3		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 3/16 1:10: 28.47 11.827 87.710 19.6 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP-0	1:11: 24.7	S 2	69.0
CAO	EP-0	21.5	S 1	63.3
JUD	EPUO	13.3	S 1	47.8
JTS	EPDO	19.0		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 3/19 22:16: 46.37 12.143 86.604 43.6 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IRZ2	EPDO	22:17: 39.0		
HDC2	EPUO	36.5		
QPS	EPDO	42.4		
EPA	IPUO	31.8	S 1	67.6
CAO	EPDO	30.8	S 2	65.7
JUD	IPDO	22.7	S 1	50.5
RIN3	EP-1	16.5	S 2	40.0
IDC	EPUO	51.2		
JTS	EP-0	25.4	S 2	56.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 3/ 2 7:18: 16.10 9.654 84.199 19.4 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	7:18: 25.4		
POA2	IPUO	27.2		
HDC2	IPDO	24.7		
PTCR	IP 0	22.5		
QPS	IPUO	22.4		
EPA	IPUO	26.5	S 1	34.2
CAO	IPUO	33.0		
JUD	IP 0	42.1		
JTS	IPUO	34.5		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 3/22 4:52: 56.35 11.235 85.884 153.2 4.5

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	4:53: 41.6		
HDC2	EPUO	34.2		
QPS	EPDO	38.8		
CAO	IPUO	28.8	S 1	54.0
JUD	IPUO	23.2	S 1	44.1
RIN3	IPUO	19.2	S 1	37.4
JTS	IPUO	24.3	S 1	46.8

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 3/24 15:31: 28.26 10.788 86.570 11.2 4.8

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	15:31: 78.9		
IR22	EPDO	75.0		
POA2	IPUO	69.8		
QPS	EP 1	74.4		
CAO	EPUO	60.5		
JUD	IPDO	51.1		
RIN3	IPDO	50.2	S 3	67.9
PBC	EP 1	94.4		
VACR	IPUO	62.1		
IDC	EPDO	83.3		
JTS	EPUO	58.2	S 3	82.8
CTCR	P 1	95.0		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 3/24 15:53: 1.47 10.745 86.559 .2 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IR22	EPDO	15:53: 49.4		
POA2	EP 1	44.3		
HDC2	EPUO	45.4		
CAO	EPDO	34.8		
RIN3	EPUO	24.3	S 3	41.5
PBC	EPDO	68.7		
JTS	EPUO	32.5	S 2	57.1

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 4/ 2 10:35: 53.79 10.671 85.908 53.8 5.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IR22	IPDO	10:36: 28.3		
POA2	IPDO	22.7		
HDC2	IPDO	25.3	S 1	49.6
QPS	EPUO	28.4		
JUD	IPUO	7.8	S 1	17.7
RIN3	IPDO	6.3	S 3	16.0
PBC	EPDO	49.2		
VACR	IPDO	15.6		
IDC	EPUO	37.8		
JTS	IPDO	12.3		
CTCR	EP+1	48.0		
TIG	EP-1	41.4		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 4/ 4 23:22: 19.51 11.396 85.822 153.8 4.8

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP-1	23:22: 64.8	S 2	100.1
IR22	EPU1	60.2	S 2	92.8
HDC2	EPD1	57.9	S 1	87.0
QPS	EPDO	62.8	S 2	96.0
CAO	IPDO	53.2	S 1	80.0
JUD	IPDO	47.8	S 1	69.3
RIN3	EPUO	43.8		
IDC	EPDO	71.0		
JTS	EPUO	48.7		
CTCR	EP+1	79.4		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 4/13 0:42: 15.40 10.607 86.392 33.7 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IR22	EP 1	0:42: 56.8		
HDC2	EP 1	53.4		
EPA	EP 0	47.6		
CAO	EPDO	42.4		
JUD	EP-0	33.4		
RIN3	EPDO	34.5		
JTS	EPUO	40.9		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 4/13 1:12: 15.28 10.667 86.281 36.0 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IR22	P 2	1:12: 55.4		
HDC2	EP 2	51.9		
EPA	EP 1	45.9		
CAO	EPDO	41.6		
JUD	EP+0	32.3		
RIN2	EPDO	33.2		
JTS	EPUO	39.4		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 4/18 17: 2: 20.87 10.599 85.032 165.4 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	17: 2: 53.6	S 3	79.7
IR22	EP 1	50.9	S 3	73.7
POA2	EP 1	46.5		
HDC2	EP 1	48.3		
QPS	EPUO	52.4	S 3	75.9
EPA	IPUO	45.6	S 2	64.8
CAO	EPUO	46.3	S 3	67.3
JUD	IPUO	45.4	S 3	64.5
RIN3	EPUO	43.9	S 3	62.1
JTS	IPUO	43.5	S 2	61.4
CTCR	EP-1	67.5		
TIG	IPDO	61.6	S 3	92.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 4/25 6:11: 28.29 10.797 86.831 .2 5.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	6:11: 83.2	S 3	126.5
IR22	EP-1	79.8		
POA2	EP 1	74.4		
HDC2	EPDO	76.5	S 3	114.2
QPS	EPDO	79.5		
EPA	EPUO	70.5	S 3	102.4
CAO	EPUO	65.4	S 3	92.6
JUD	EPUO	55.6	S 3	77.2
RIN3	EPUO	55.9	S 3	77.8
PBC	EP-1	98.6		
VACR	EP 1	67.5		
IDC	EP 1	87.7		
JTS	EPUO	63.6	S 3	91.8
CTCR	EPDO	99.7		
TIG	EP-1	91.9		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/ 1 8:54: 29.70 9.501 84.856 33.9 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	8:54: 50.4		
IR22	IPDO	49.7		
POA2	IPDO	47.4		
HDC2	IPDO	47.1	S 2	60.4
QPS	IPDO	44.0	S 3	55.0
CAO	IPUO	37.8		
PBC	EPU1	63.6		
VACR	EP 2	48.4		
CTCR	EP+0	65.3		
TIG	IPUO	58.2	S 3	79.6

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/ 6 8:21: 16.46 11.976 86.503 58.7 4.9

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	8:21: 71.5	S 3	114.8
IRZ2	EP 1	66.2	S 3	105.6
POA2	EP 1	61.2	S 3	95.7
HDC2	IPDO	63.5	S 3	100.1
QPS	EPDO	68.9	S 3	109.7
EPA	IPDO	58.8	S 2	92.1
CAO	IPDO	57.8	S 3	90.2
JUD	IPDO	49.9	S 2	75.4
RIN3	IPDO	44.3	S 3	65.3
PBC	IPDO	88.7	S 3	144.9
JTS	EPDO	52.2	S 3	81.3
CTCR	EP 1	87.5		
TIG	EP-1	80.9		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/10 15:52: 55.76 11.171 87.254 44.3 4.5

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IRZ2	EPD1	15:53: 50.0		
EPA	EPD1	40.4		
CAO	EP 2	36.8	S 2	68.4
JUD	EPDO	28.0	S 1	53.0
RIN3	EPDO	26.8	S 2	51.3

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/12 22:25: 32.50 12.009 87.992 35.2 5.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPU0	22:26: 45.8	S 2	101.7
IRZ2	EPDO	40.9	S 3	94.4
HDC2	EPU0	37.6	S 3	88.8
QPS	EPDO	41.5		
EPA	EPDO	32.2	S 2	78.6
CAO	EP 1	28.8	S 2	72.7
JUD	EPU0	20.1	S 3	57.5
RIN3	P 1	17.0		
JTS	EPDO	25.8		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/14 12:47: 10.92 11.252 85.595 162.2 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	12:47: 53.7		
QPS	EPDO	51.8	S 1	82.6
EPA	EPU1	43.0	S 1	68.0
CAO	IPU0	43.0	S 2	67.8
JUD	IPU0	38.0	S 1	59.4
RIN3	EPU0	34.3		
JTS	EPU0	38.2	S 1	59.8

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/14 15:17: 8.66 8.344 82.890 38.0 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	15:17: 35.0	S 1	55.7
IRZ2	EPDO	40.9		
POA2	EPU1	46.5	S 1	75.3
HDC2	EPDO	43.4	S 1	70.0
QPS	EPDO	36.1	S 1	58.1
EPA	EPDO	47.1	S 1	77.0
CAO	EPDO	49.6	S 1	82.0
JUD	EPU0	59.0		
RIN3	EP 1	63.0		
PBC	IPDO	16.1		
IDC	IPDO	28.3		
JTS	EPDO	53.4	S 2	88.0
CTCR	P 1	21.0		
TIG	IPDO	24.5		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/16 2:57: 15.99 11.180 85.632 156.4 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	2:57: 57.9	S 3	90.6
IRZ2	EP 1	53.4	S 3	82.8
QPS	EPU0	55.7	S 3	86.6
EPA	EPDO	47.6	S 2	71.9
CAO	IPU0	46.7	S 2	71.3
JUD	IPU0	42.1	S 2	62.5
RIN3	EPU0	38.5	S 3	55.7
JTS	IPU0	42.5	S 2	63.1
CTCR			S 3	115.1
TIG			S 3	104.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/17 19:13: 39.02 11.122 85.531 163.4 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	19:14: 20.3	S 2	52.6
IRZ2	EP 1	15.7	S 2	44.4
QPS	EPDO	18.2	S 2	48.4
EPA	IPDO	9.6	S 1	33.3
CAO	IPU0	9.5	S 1	34.2
JUD	IPU0	5.3		
RIN3	EPU0	1.8		
JTS	IPU0	5.5	S 1	23.3

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/20 4:20: 17.91 11.230 85.874 164.8 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM		4:20:	S 3	98.8
IRZ2			S 3	91.2
HDC2			S 3	86.2
EPA	EP 1	51.9	S 3	78.6
CAO	IPU0	50.9	S 3	77.5
JUD	IPU0	45.9	S 3	67.3
RIN3	EP 1	42.5	S 3	61.3
JTS	IPU0	46.8	S 3	70.3

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 5/27 11:54: 39.06 7.850 82.922 31.6 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU0	11:54: 72.1	S 3	97.4
IRZ2	EP 1	78.2	S 3	108.5
POA2	EP 1	82.7	S 3	117.1
HDC2	EP 1	79.5	S 3	111.1
QPS	EPU0	71.8	S 3	98.3
EPA	EP 1	82.7	S 3	116.8
CAO	EP 1	84.3		
JUD	EPDO	93.9		
PBC	IPU0	51.5		
IDC	EP 1	62.8	S 3	80.7
JTS	EP 1	89.1	S 3	128.4
CTCR	IPDO	59.1		
TIG	EPU0	62.0	S 3	79.8

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 5/30 1:16: 20.62 11.385 86.345 48.8 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP+1	1:16: 69.4	S 3	107.7
IRZ2	EP 1	64.9		
HDC2	EP-1	61.6		
QPS	EPDO	67.6		
EPA	EPDO	56.3	S 3	84.3
CAO	EPDO	54.0	S 3	80.8
JUD	IPDO	46.2	S 3	65.5
RIN3	IPDO	41.3	S 3	57.0
PBC	EP 1	85.5		
JTS	EPDO	49.4	S 3	72.5
CTCR	EPUO	85.5		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 5/30 8:45: 3.92 12.134 86.914 53.9 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	8:45: 64.8		
HDC2	EP 1	56.9	S 3	98.1
QPS	EP 1	61.4		
EPA	EP 1	52.3	S 3	89.2
CAO	IPUD	50.1	S 3	86.2
JUD	IPUD	42.3	S 3	72.1
RIN3	EP 1	37.0	S 3	62.7
PBC	EP 1	81.3		
IDC	EP+1	70.7		
JTS	EP 1	45.8	S 3	78.6
CTCR	EP 1	79.6	S 3	139.5
TIG	EP+1	73.6	S 3	127.4

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 6/ 1 13:16: 39.67 11.839 87.462 .1 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPUO	13:17: 49.3	S 3	103.1
IRZ2	EP 1	44.1		
POA2	EP 1	39.3		
HDC2	EP 1	40.9	S 3	89.1
QPS	EP-1	45.9	S 3	96.4
EPA	EP 1	35.5	S 3	79.6
CAO	EPDO	32.5	S 3	74.2
JUD	IPDO	23.8	S 3	59.2
RIN3	EP 1	20.7	S 3	53.6
PBC	EP 1	64.9	S 3	131.1
IDC	EP 1	54.6	S 3	111.8
JTS	EPDO	28.9	S 3	68.6
CTCR	EP+1	64.9		
TIG	EP 1	58.7	S 3	118.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 6/ 2 9:39: 16.80 11.613 86.348 90.9 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	9:39: 67.2		
IRZ2	P 1	62.5	S 3	98.2
HDC2	EP 1	59.8	S 3	92.7
QPS	P 2	64.3		
CAO	IPDO	53.6	S 2	81.5
IDC	P 2	73.6		
JTS	EPUO	48.2	S 2	73.5

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 6/ 9 20:54: 46.68 11.069 85.839 162.4 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EPUO	20:55: 18.7	S 1	44.3
CAO	EPDO	18.1	S 1	42.3
JUD	EPDO	13.0	S 2	33.1
RIN3	EPUO	10.2	S 2	28.5
JTS	EPDO	14.2	S 1	36.4
OCM	EPUO	25.9		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 6/12 18:41: 9.00 5.518 82.821 33.7 5.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	18:41: 72.7	S 3	122.5
IRZ2	EP 1	78.9	S 3	132.9
HDC2	EP 1	79.8	S 3	135.2
QPS	EP 1	71.1	S 3	120.1
EPA	EP 1	81.5	S 3	137.7
CAO	EP 1	80.1	S 3	136.1
JUD	EP 1	89.0	S 3	151.9
RIN3	EP 1	95.8	S 3	163.7
PBC	EP 1	55.4	S 3	92.1
IDC	EP 1	61.2	S 3	102.4
JTS	EP 1	87.2	S 3	147.4
CTCR	EP 1	61.9	S 3	103.1
TIG	EP 1	64.6	S 3	107.2
OCM	EP 1	78.0	S 3	131.1

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 6/15 19:32: 49.77 7.105 82.893 4.7 4.9

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUD	19:33: 35.0		
IRZ2	IPUD	41.3		
POA2	IPUD	46.0		
HDC2	IPUD	43.2	S 2	84.0
QPS	IPUD	34.7		
EPA	EPUO	44.8		
CAO	IPUD	45.4		
JUD	EPUO	55.0		
RIN2	EPUO	60.6		
PBC	IPUD	15.5		
IDC	IPUD	24.3		
JTS	EPUO	51.3		
CTCR	IPUD	21.4		
TIG	IPUD	25.6		
OCM	IPUD	40.3		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 6/25 5:17: .14 10.153 87.090 38.9 4.8

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	5:17: 52.7		
IRZ2	EPUO	49.9		
POA2	IPDO	45.3		
HDC2	IPUD	46.4	S 2	82.2
CAO	IPUD	33.1		
VACR	EP+1	38.5	S 2	67.7
OCM	EPUO	48.6	S 2	87.1

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 6/28 0:37: 5.36 8.736 82.415 18.6 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	0:37: 33.8		
IRZ2	IPDO	39.8		
HDC2	EPUO	42.3	S 1	70.6
QPS	IPUO	37.1	S 2	62.7
PBC	IPDO	19.4		
IDC	IPDO	31.4	S 1	51.8
CTCR	IPUO	13.5	S 2	20.2
TIG	IPDO	23.5		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 7/ 7 17:31: 6.04 9.370 82.557 26.9 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	17:31: 28.5		
IRZ2	IP 1	33.1		
POA2	EPUO	38.8		
HDC2	EPUO	35.8	S 1	59.2
QPS	IPUO	33.5	S 2	55.3
EPA	EP+1	41.2		
PBC	IPDO	25.7		
IDC	EPUO	32.7	S 1	52.4
JTS	EPDO	47.7	S 2	80.7
CTCR	IPDO	16.9		
TIG	IPDO	21.9		
OCM	IPUO	32.5		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 7/ 9 0:13: 28.27 12.097 87.045 51.0 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP 2	0:14: 17.7	S 2	55.5
CAO	IPDO	15.2	S 1	52.2
JUD	IPUO	7.1	S 1	37.5
RIN3	EP 1	2.6	S 2	28.7
JTS	EP 2	10.9	S 2	44.4

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 7/19 18:55: 28.20 11.132 85.796 135.2 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPUO	18:55: 70.2	S 2	103.3
IRZ2	EPUO	65.6	S 2	95.5
POA2	EPUO	61.1	S 1	86.7
HDC2	EPUO	63.3	S 1	90.4
QPS	EP 1	67.8	S 2	98.7
EPA	EPDO	59.1	S 2	82.6
CAO	IPUO	58.0	S 2	81.2
JUD	IPUO	52.4	S 1	70.5
RIN3	EPUO	48.4		
JTS	IPUO	53.4	S 2	73.6
TIG	EPDO	78.9		
OCM	EPUO	65.2	S 2	94.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 7/20 5: 2: 34.60 10.686 85.200 128.2 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	5: 2: 67.0		
IRZ2	EPUO	63.4		
POA2	IPDO	58.7	S 2	77.6
HDC2	EPUO	60.6	S 1	80.7
QPS	IPDO	65.2	S 1	88.2
EPA	IPUO	57.2	S 2	74.2
CAO	IPUO	57.4	S 2	75.8
JUD	IPUO	54.8	S 2	70.0
RIN3	EPUO	52.4		
IDC	EP 1	73.6		
JTS	IPUO	53.8	S 2	68.5
CTCR	EPUO	81.7		
TIG	EPUO	75.7		
OCM	EPUO	62.5	S 1	85.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 7/25 6:30: 48.73 12.222 86.852 51.9 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU1	6:31: 49.6	S 2	97.2
IRZ2	EPU1	44.3	S 2	88.5
HDC2	EP 1	41.5	S 1	83.3
QPS	IPUO	47.5		
EPA	EP 1	36.8	S 2	74.4
CAO	IPDO	35.4	S 1	72.6
JUD	IPDO	27.8	S 1	57.0
RIN3	EP+1	22.8	S 2	48.0
JTS	EP+1	30.5	S 2	63.4
OCM	EP 1	44.1	S 2	88.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 7/31 7:45: 39.50 11.212 85.790 158.2 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IRZ2	EP+1	7:46: 19.0	S 1	50.4
HDC2	IPD1	16.8	S 1	44.8
QPS	EP 1	21.1	S 1	53.0
EPA	IPDO	12.5	S 1	37.5
CAO	IPUO	11.7	S 1	36.8
JUD	IPUO	6.3	S 1	27.5
RIN3	IPUO	2.3	S 1	21.0
JTS	IPUO	7.1	S 1	28.8
CTCR	EP 1	38.4	S 2	84.0
OCM	EP 0	18.7	S 1	49.3

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/ 3 7:43: 25.49 11.517 86.078 169.3 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP 1	7:43: 64.1	S 2	93.4
CAO	EPUO	62.6	S 2	91.8
JUD	IPUO	56.7	S 1	81.1
RIN3	EPUO	52.7	S 1	73.6
JTS	EP 1	58.2	S 2	84.4

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/ 4 22:45: 6.86 12.445 87.172 50.5 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	22:45: 72.6		
EPA	IPDO	60.8	S 2	101.9
CAO	IPDO	58.6	S 1	99.2
JUD	IPUO	50.3	S 1	84.9
RIN3	EP 1	45.5	S 1	75.4
JTS	EP 1	54.5	S 2	90.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/ 5 15:25: 30.29 11.230 87.590 3.8 4.5

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU0	15:26: 37.3	S 2	88.6
POA2	EP 1	28.1		
QPS	EPU0	32.7	S 2	81.2
EPA	EPU0	24.1	S 2	65.0
CAO	IPD0	18.8	S 2	57.1
JUD	EPU0	10.2	S 2	42.5
RIN3	EPU0	9.3	S 2	40.7
JTS	EP 1	17.2		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/ 7 5:30: .49 13.345 90.318 34.2 6.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU0	5:31: 49.3		
IRZ2	EPD0	44.4		
HDC2	EP 1	41.0		
QPS	EPD0	45.4		
EPA	EP 1	35.8	S 2	110.0
CAO	EPD0	32.3	S 3	104.0
JUD	EPD0	23.7	S 3	89.6
PBC	EPD0	64.4		
JTS	EP 1	29.6		
CTCR	EPD0	64.6		
TIG	P 2	57.7		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/ 7 12:12: 13.67 11.114 86.172 73.6 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	12:12: 58.0		
IRZ2	EP 1	53.5		
HDC2	EP 1	50.4		
QPS	EP 1	55.0		
EPA	EP 1	45.0		
CAO	EP 1	43.1		
JUD	EP 1	34.6		
PBC	EP 1	74.4		
IDC	EP 1	64.0		
JTS	EPD0	39.1		
CTCR	EP 1	73.6		
TIG	EP 1	67.2		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/ 9 10:44: 4.46 8.061 82.718 30.4 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPD0	10:44: 35.9		
IRZ2	IPU0	42.5		
HDC2	EPU0	45.1	S 1	75.4
QPS	IPU0	37.4	S 2	62.7
EPA	EP 1	48.7	S 2	82.3
CAO	EPD0	50.3		
PBC	IPU0	15.5		
TIG	EPD0	25.4		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/13 23:36: 24.67 11.524 86.511 115.5 4.9

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	23:36: 77.0		
IRZ2	EPD1	72.1		
POA2	EP 1	66.9		
HDC2	EPU0	69.0		
QPS	P 1	73.6		
EPA	EPD0	64.0	S 2	95.0
CAO	EPD0	62.3	S 1	91.5
JUD	IPU0	54.6	S 1	77.2
RIN3	EP 1	50.5	S 1	70.6
PBC	EP 1	92.8		
IDC	EP 1	82.6		
JTS	EPU0	57.8	S 1	84.3
OCM	EPD0	71.3		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/14 4: 9: 4.14 11.552 86.145 124.4 4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IRZ2	EP 1	4: 9: 48.0		
HDC2	EPD0	45.2		
EPA	EPU0	40.9	S 2	69.5
CAO	IPU0	39.5	S 1	67.9
JUD	IPU0	32.7	S 1	54.7
RIN3	EPD0	28.0	S 1	45.9
JTS	EP 1	34.7	S 1	59.0
OCM	EPU0	47.5		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/14 23:15: 21.73 11.405 85.940 130.9 4.9

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPU0	23:15: 67.6	S 3	103.2
IRZ2	EP 1	62.2	S 3	94.8
POA2	EP 1	57.9	S 3	85.5
HDC2	EP 1	60.0	S 3	89.4
QPS	EP 1	64.7	S 3	98.8
EPA	IPD0	55.7	S 3	81.9
CAO	IPD0	55.2	S 3	80.9
JUD	IPD0	48.3	S 3	68.9
PBC	EP 1	83.2		
IDC	IPD0	73.5		
JTS	IPU0	49.8	S 3	72.2
CTCR	IPU0	82.2		
TIG	IPU0	76.1		
OCM	EP 1	62.5	S 3	93.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 8/15 7: 2: 58.63 11.602 86.856 146.3 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	7: 3: 56.1	S 3	100.3
IRZ2	EP 1	51.4	S 3	92.6
HDC2	EP 1	48.3	S 3	86.8
QPS	EP 1	52.8	S 3	94.6
EPA	EP 1	42.9	S 3	78.1
CAO	IPD0	40.7	S 3	74.2
JUD	IPD0	33.6	S 3	60.8
JTS	EP 1	37.4	S 3	67.8
OCM			S 3	91.6

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 8/20 22: 5: 50.45 5.120 82.729 32.7 4.8

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	P 2	22: 6: 60.0	S 3	113.9
QPS	P 2	58.8	S 3	111.9
PBC	EPDO	42.5	S 2	83.6
IDC	IPDO	48.0	S 3	94.0
CTCR	EPUO	49.0	S 2	94.5
TIG	EPDO	51.8	S 2	98.8
OCM	EPDO	65.0	S 2	122.8

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 8/21 21:54: 44.68 11.278 87.046 .0 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	21:54: 105.3		
IRZ2	EP 1	101.4		
POA2	EP 1	95.5		
HDC2	EP 1	97.8	S 3	139.2
QPS	EP 1	101.8		
EPA	EP 1	91.8	S 3	128.5
CAO	EP 1	88.1	S 3	122.3
JUD	EP 1	79.2	S 3	106.2
RIN3	EP 1	76.8	S 3	102.3
JTS	EP 1	85.4		
CTCR	EP 1	120.9		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 8/26 5:12: 30.71 10.920 86.012 149.9 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP 2	5:12: 62.7	S 2	87.6
CAO	EPDO	60.8	S 2	84.3
JUD	EPDO	55.0		
JTS	EP 2	57.6		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 8/28 0: 2: 43.24 11.102 85.687 158.9 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
QPS	EPDO	0: 3: 22.8	S 2	53.7
EPA	EP-0	14.6	S 1	39.2
CAO	IPUO	13.8		
JUD	IPUO	9.2		
RIN3	EP 2	6.0		
JTS	IPUO	9.7	S 1	30.4

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 9/ 3 12: 7: 41.81 12.268 87.906 35.8 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IRZ2	EPDO	12: 8: 51.0		
HDC2	EPDO	47.5		
QPS	EPDO	52.3		
EPA	EPDO	42.3	S 2	89.1
CAO	EPDO	39.2	S 2	84.4
JUD	EPUO	30.9	S 1	69.6
RIN3	EPUO	27.5		
JTS	EP 1	35.9	S 2	78.0
OCM	EP 1	50.2		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 9/ 5 5:25: 5.57 5.359 82.838 33.6 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPUO	5:26: 11.1		
IRZ2	EPDO	17.5	S 2	72.7
HDC2	EPDO	18.6	S 2	75.1
QPS	EPDO	9.8		
EPA	EPDO	20.0	S 2	77.5
CAO	EPDO	18.9	S 3	76.1
JTS	EPUO	25.3	S 1	88.0
TIG	EPUO	3.2	S 2	47.8
OCM	EPDO	16.0	S 2	71.0

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 9/ 5 17:43: 45.73 11.679 86.164 165.8 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP 1	17:44: 25.8	S 2	57.2
CAO	EPDO	24.6	S 1	55.2
JUD	IPDO	18.5	S 1	44.2
RIN3	EP 1	13.6	S 2	36.2
JTS	EP 1	20.9	S 2	46.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 9/12 7:18: 41.28 11.152 85.702 157.2 4.8

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	7:19: 23.6		
POA2	EP 1	14.8	S 3	41.1
HDC2	EP 1	16.8	S 3	44.7
QPS	EP 1	21.6	S 3	52.9
EPA	EP+1	13.2	S 3	37.7
CAO	IPUO	12.3	S 3	36.4
JUD	IPUO	7.5	S 2	27.4
RIN3	IPUO	3.7	S 2	21.5
IDC	EP 1	30.2	S 3	66.3
JTS	IPUO	8.0		
CTCR	EP-1	38.3	S 3	83.5
TIG	IPUO	32.3	S 3	71.8
OCM	EP 1	18.9	S 3	48.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 9/14 2:46: 35.20 11.304 85.623 177.7 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP+1	2:47: 19.7	S 2	54.2
CAO	EPD1	8.9	S 2	35.7
JUD	EPUO	4.3	S 1	27.4
JTS	EPD1	4.9	S 1	27.5

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/ 9/15 20:41: 43.80 6.124 82.705 34.4 4.9

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	20:42: 39.7		
IRZ2	IPUO	46.3		
POA2	EP 1	50.4		
HDC2	IPUO	47.7	S 1	96.5
QPS	IPUO	38.8	S 2	82.1
EPA	EP 1	49.3	S 2	100.2
CAO	IPUO	48.7	S 2	99.8
PBC	IP 1	21.9		
IDC	IPUO	28.7		
CTCR	IPDO	28.3		
TIG	EP 1	31.1	S 2	67.5

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 9/23 14:35: 27.49 8.644 82.690 53.8 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU0	14:35: 52.0	S 3	71.9
HDC2	IP 1	60.6		
CAO	EP 1	68.4	S 3	100.4
JTS	EP 1	70.9		
CTCR	EPU0	37.3	S 3	44.9
TIG	EPU0	42.5	S 3	53.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 9/24 9:53: 34.44 5.569 82.733 35.1 4.5

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU0	9:54: 37.4		
CAO	EPD0	46.0		
CTCR	EP-1	26.8	S 1	67.3
TIG	EP-1	29.1		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 9/28 1:38: 26.36 8.538 82.742 55.2 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPU0	1:38: 51.8		
QPS	EPD0	53.9		
CAO	EPU0	66.7		
RIN3	EP-1	80.8		
JTS	EPD0	70.7		
CTCR	IPD0	37.2		
TIG	EP 2	41.3	S 1	53.5

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 9/30 0:16: 48.65 11.270 85.744 163.8 5.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU0	0:17: 32.5	S 2	67.3
POA2	IPU0	23.7		
HDC2	EPU0	25.7	S 1	54.7
QPS	IPU0	30.7		
CAO	IPU0	21.7	S 2	47.4
JUD	IPU0	16.4		
RIN3	IPU0	12.4		
PBC	EPD0	48.5	S 2	95.7
JTS	IPU0	17.3		
CTCR	EPU0	47.2	S 2	93.1
TIG	EPU0	41.4	S 2	81.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/ 9/30 19:25: 14.12 9.351 81.098 90.8 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPU0	19:25: 55.8	S 1	89.0
HDC2	EPU1	61.3		
QPS	EPD0	61.0		
PBC	EP 2	49.0		
CTCR	EP-0	42.8	S 2	66.6
TIG	EPD0	50.4		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/10/ 1 8:42: 51.90 8.307 82.858 33.6 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPU0	8:42: 79.1		
POA2	EPU0	91.0		
HDC2	EPU0	87.7	S 1	114.6
QPS	EPD0	80.7		
CAO	EPU0	93.8		
JUD	EPU0	103.3		
RIN3	EPD0	107.5		
PBC	IPD0	59.2		
IDC	IPD0	72.0		
JTS	EP-1	97.9		
CTCR	IPD0	64.3		
TIG	EPU0	68.6		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/10/ 2 15:23: 1.05 8.166 82.825 33.7 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	15:23: 30.9	S 3	53.4
POA2	EP 1	41.5	S 3	72.9
HDC2	EP 1	38.4	S 3	67.4
QPS	EP 1	31.2	S 3	55.2
CAO	IPD0	44.4	S 3	78.9
JUD	EP 1	54.0	S 3	94.0
RIN3	EP 1	57.5	S 3	101.1
IDC	EPU0	22.6	S 3	39.3
JTS	EP 1	48.6	S 3	85.6
CTCR	IPU0	15.6		
TIG	EP 1	20.1	S 3	33.9

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/10/ 4 20:43: 26.73 11.831 86.353 39.3 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
HDC2	EP 2	20:43: 71.8		
QPS	EPD1	77.4		
CAO	EPU0	66.6	S 1	97.4
JUD	EP 1	57.2	S 1	81.6
RIN3	EP-0	51.4	S 2	70.7
JTS	EPU1	60.7		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/10/ 7 19:59: 32.66 11.287 86.046 89.0 4.5

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	19:59: 77.3		
ERZ2	IPD0	72.6		
POA2	EP 1	67.3		
HDC2	IPD0	69.9		
QPS	IPU0	74.7		
CAO	IPD0	63.2	S 1	87.1
JUD	IPD0	55.9	S 1	73.8
RIN3	IPU0	50.7	S 2	65.3
JTS	IPD0	58.3		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/10/14 6:44: 38.73 9.536 84.127 29.8 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPD0	6:44: 47.6	S 1	54.8
HDC2	EP 1	49.2	S 2	57.3
QPS	EP 1	44.3	S 2	48.7
JTS	EP 1	59.4		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/14 15:11: 59.09 8.914 83.937 10.9 4.6

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	15:12: 12.5	S 2	23.2
HDC2	EP 1	20.5	S 2	37.2
QPS	IPDO	9.5	S 1	17.4
JTS	EP 2	30.1		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/19 7:26: 6.85 6.998 82.993 42.7 4.3

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPUO	7:26: 49.4		
HDC2	EPUO	57.0		
QPS	IPDO	48.6		
EPA	EP 2	59.0		
CAO	EPDO	58.0		
PBC	EPDO	31.8		
CTCR	EPUO	38.4		
TIG	EPDO	41.2		
OCM	EPDO	54.8		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/21 2:25: 39.08 12.110 86.923 57.8 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP 1	2:26: 26.4	S 3	64.1
CAO	EP 1	24.9	S 3	60.8
JUD	IPUO	17.0	S 3	46.3
RIN3	EP 1	12.3	S 3	37.3
JTS	EP 1	20.4	S 3	53.2

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/21 4:40: 4.89 11.706 87.547 61.6 5.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	4:40: 69.5		
HDC2	EP 1	61.3		
QPS	EP 1	65.6		
EPA	EP 1	55.5	S 3	96.2
CAO	EP 1	52.3	S 3	90.4
JUD	EP 1	43.8	S 3	74.5
RIN3	EP 1	41.3	S 3	70.0
PBC	EP 1	85.3		
CTCR	EP 1	85.4		
TIG	EP 1	78.1		
OCM	EP 1	64.7		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/23 20:55: 12.05 11.596 86.423 44.2 5.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	20:55: 63.5	S 2	103.5
IRZ2	EP 1	58.3		
POA2	EPUO	53.3		
HDC2	EPDO	55.3	S 2	89.8
QPS	EPUO	61.1		
EPA	IPDO	50.7		
CAO	IPDO	48.7	S 2	77.6
JUD	IPDO	40.3		
RIN3	IPDO	35.1	S 2	52.7
JTS	IPDO	43.7		
OCM	EPDO	58.3		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/24 8:56: 3.85 12.356 86.698 47.3 4.8

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	8:56: 65.1	S 3	112.2
HDC2	EP 1	56.1		
QPS	EP 1	62.4		
EPA	EP 1	52.6	S 3	90.1
CAO	IPUO	51.1	S 3	88.8
JUD	IPUO	43.4	S 3	73.8
RIN3	EP 1	37.1	S 3	62.8
PBC	EP 1	81.6		
JTS	EP 1	46.3	S 3	79.1
CTCR	EP 1	79.9		
TIG	EP 1	73.8		
OCM	EP 1	59.3		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/30 15:53: 23.71 10.733 84.989 148.4 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	15:53: 56.0	S 3	81.2
IRZ2	IPUO	52.0	S 3	76.1
POA2	EP 1	48.4		
HDC2	EP 1	49.7	S 3	70.3
QPS	IPUO	54.9	S 3	78.5
EPA	IPUO	47.7	S 3	66.2
CAO	IPUO	48.7	S 3	68.5
JUD	IPUO	46.7	S 3	65.8
RIN3	IPUO	45.1	S 3	61.7
JTS	IPUO	45.2	S 3	61.8
TIG	EP 1	63.9	S 3	94.8
OCM	EP 1	51.6	S 3	73.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/10/31 16:33: 37.89 6.742 82.769 34.1 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	16:34: 25.7	S 2	63.3
HDC2	IPUO	33.6	S 2	76.4
QPS	EPUO	24.7	S 2	61.5
EPA	EP 1	35.5		
CAO	IPUO	35.5		
PBC	EPUO	6.5	S 2	28.7
CTCR	EPDO	13.5	S 2	41.8
TIG	EP-1	16.8	S 2	46.6
OCM	IPUO	31.1	S 2	71.8

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
1989/11/ 3 0:59: 21.33 8.545 82.883 50.0 4.5

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	0:59: 44.8		
POA2	IPUO	56.6		
HDC2	IPUO	53.3	S 2	78.3
QPS	EPUO	46.5	S 2	66.5
EPA	IPUO	57.3		
CAO	IPUO	59.7		
PBC	IPDO	30.4		
JTS	IPUO	63.6		
CTCR	IPDO	31.7	S 2	39.8
TIG	IPUO	35.3	S 2	45.7
OCM	IPUO	50.7		

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/11/13 10:59: 56.23 11.862 86.645 20.9 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	11: 0:		53.9
HDC2	EP 1			46.3
QPS	EP 1			51.9
EPA	EP 1			41.3
CAO	EPDO		S 2	39.4
JUD	EPDO			31.2
RIN3	EP 1			25.7
JTS	EPDO			35.2
OCM	EP 1			48.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/11/30 1:27: 2.36 10.710 86.297 21.3 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	1:27:		47.6
IRZ2	EPDO		S 3	44.0
HDC2	EPDO			40.8
QPS	EPDO			43.3
EPA	EPUO			34.4
CAO	EPDO			29.9
JUD	EPDO			20.2
RIN3	EP-1			19.5
PBC	EPDO			63.6
JTS	EPDO			27.4
CTCR	EPUO			64.0
TIG	EPUO			56.6
OCM	EPDO			43.6

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/11/23 11: 2: 45.22 11.331 85.843 172.0 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
EPA	EP 1	11: 3:	S 2	20.1
CAO	EPDO		S 2	20.3
JUD	EP 1		S 2	13.8
JTS	EP 1		S 2	15.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/12/ 3 17: 7: 40.70 9.427 84.153 51.9 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	17: 7:	S 2	52.2
IRZ2	IPDO			54.4
HDC2	IPUO		S 1	54.3
QPS	IPDO		S 2	49.1
EPA	IPUO			55.7
CAO	IPUO			58.8
JUD	EPUO			67.0
RIN3	EPUO			70.9
PBC	IPUO			65.5
JTS	IPUO			62.1
CTCR	IPUO			66.1
TIG	IPUO			59.0
OCM	IPDO			52.7
DAT	IPDO			51.2

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/11/26 0:14: 3.97 9.408 84.574 34.7 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	0:14:		20.0
IRZ2	IPDO			21.3
POA2	IPDO			20.7
HDC2	IPDO		S 2	19.3
QPS	IPDO			13.4
EPA	IPDO			16.1
CAO	IPDO		S 2	16.6
JUD	IPUO		S 2	26.0
JTS	IPDO			22.4
CTCR	EP 1			35.7
TIG	IPUO		S 2	28.2
OCM	IPDO			19.1
DAT	IPDO			18.7

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/12/ 7 21: 0: 7.73 10.546 84.958 121.6 4.0

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EPDO	21: 0:	S 1	37.0
IRZ2	EPDO		S 1	32.6
POA2	EPUO			28.9
PTCR	EPUO		S 1	29.6
QPS	EPUO		S 3	34.7
EPA	IPUO			27.7
CAO	EPUO		S 2	28.9
JUD	EPUO		S 1	27.5
RIN3	EPUO		S 2	26.0
PBC	EP 1			52.8
JTS	EPUO			25.2
CTCR	EPDO			51.7
TIG	EP 1			45.0
OCM	EPDO		S 2	32.1

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/11/28 18:25: 3.87 9.758 86.497 32.5 4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	18:25:		48.4
IRZ2	IPUO			46.6
POA2	IPUO			41.6
HDC2	IPUO		S 2	44.0
QPS	IPUO			42.2
EPA	IPUO			35.7
CAO	IPUO			28.3
JUD	IPUO			23.1
RIN3	IPUO			30.7
JTS	IPUO			31.7
OCM	IPUO			45.4
DAT	IPUO		S 2	46.1

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/12/13 6:22: 41.41 6.519 82.693 32.9 4.7

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPDO	6:23:	S 2	32.4
IRZ2	EPDO		S 2	38.9
PTCR	EPDO			38.3
QPS	EPDO			31.7
EPA	EP 1		S 2	42.4
PBC	IPUO		S 1	14.1
CTCR	IPDO		S 2	20.7
TIG	EP 1		S 2	23.8
OCM	IPDO		S 2	37.9
DAT	EP-1		S 2	35.3

AÑO/ME/DI HR:MI: SEG LAT. N LONG. W PROF MAG
 1989/11/30 1:12: 28.47 10.701 86.527 27.1 4.1

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
IRZ2	EPUO	1:12:		73.2
HDC2	EPUO			69.4
QPS	EPDO			71.9
EPA	EP 1			63.0
CAO	EPUO			58.5
JUD	EPUO			49.1
RIN3	EP-1			49.3
JTS	EPUO			57.0
OCM	EPUO			71.5

AÑO/ME/DI	HR:MI:	SEG	LAT. N	LONG. W	PROF	MAG
1989/12/13	9:24:	36.15	11.191	85.618	146.6	4.4

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	EP 1	9:24: 77.6	S 2	109.8
IR22	EPUO	73.2		
PTCR	EPDO	69.9	S 1	96.4
QPS	EP 1	75.4	S 2	105.9
EPA	IPUO	66.8	S 1	90.5
CAO	IPDO	66.5	S 1	90.3
JUD	IPUO	61.4	S 1	81.4
RIN3	EP 1	57.4	S 2	73.8
JTS	IPDO	61.8	S 1	81.7
DAT	EP 1	75.2	S 2	105.7

AÑO/ME/DI	HR:MI:	SEG	LAT. N	LONG. W	PROF	MAG
1989/12/19	17:26:	4.91	8.355	83.022	37.2	4.5

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CDM	IPUO	17:26: 29.9		
IR22	IPUO	36.4		
POA2	IPUO	41.8		
PTCR	IPUO	38.3		
QPS	IPUO	31.5		
CAO	IPUO	44.4		
P8C	IPDO	11.5		
JTS	EPUO	48.9		
CTCR	IPDO	17.7		
TIG	IPUO	19.6		
OCM	IPUO	35.5		
DAT	IPUO	32.9		

AÑO/ME/DI	HR:MI:	SEG	LAT. N	LONG. W	PROF	MAG
1989/12/28	22:52:	45.49	10.684	86.348	1.4	4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
PTCR	EP 1	22:53: 23.9		
CAO	EP 1	15.0		
JUD	EP 1	4.7	S 3	19.0
RIN3	EPUO	4.6	S 3	19.4
JTS	EPUO	12.6		

AÑO/ME/DI	HR:MI:	SEG	LAT. N	LONG. W	PROF	MAG
1989/12/28	23:31:	43.82	11.142	86.865	46.0	4.2

ESTACION	FASE	TIEMPO P	FASE	TIEMPO S
CAO	EP 1	23:32: 20.3		
JUD	EP-1	10.9	S 3	33.0
RIN3	EPUO	9.6	S 2	29.5
JTS	EPUO	17.5	S 3	44.0